

## EAST Search History

| Ref # | Hits | Search Query | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------|---|------------------|---------|------------------|
| S1    | 2905 | 326/83       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/18 10:33 |
| S2    | 2    | "6,473,282"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/21 10:43 |
| S3    | 2    | "6,373,105"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:47 |
| S4    | 2    | "6,359,316"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:48 |
| S5    | 5    | "6,292,343"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:48 |
| S6    | 9    | "6,258,641"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:49 |
| S7    | 6    | "6,228,726"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:49 |
| S8    | 8    | "6,054,344"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:50 |
| S9    | 2    | "6,043,522"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2004/08/16 10:50 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S10 | 27   | "5,637,900"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:51 |
| S11 | 17   | "5,635,744"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:51 |
| S12 | 12   | "4,740,827"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:51 |
| S13 | 17   | "4,701,777"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 10:52 |
| S14 | 8720 | latch adj up   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:10 |
| S15 | 362  | latch adj up near prevention                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:11 |
| S16 | 410  | latch adj up near (prevention suppression)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:11 |
| S17 | 410  | latch adj up near (prevention suppression elimination)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:11 |
| S18 | 416  | latch adj up near (prevention suppression recovery)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:12 |
| S19 | 122  | latch adj up near (prevention suppression recovery) same substrate | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:13 |

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|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S20 | 78 | latch adj up near (prevention suppression recovery) same substrate and gates  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:13 |
| S21 | 86 | latch adj up near (prevention suppression recovery) same substrate and (gates cells)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:13 |
| S22 | 0  | latch adj up near (prevention suppression recovery) same substrate and (gates cells) and (disconnect disconnection) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 12:14 |
| S23 | 34 | latch adj up near (prevention suppression recovery) same substrate and (gates cells) and (switch switching)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:05 |
| S24 | 8  | ("4871927"   "5708549"   "5742465"   "5942932"   "6008688"   "6014053"   "6157070"   "6252452").PN.                 | USPAT   | OR | ON | 2004/08/16 12:35 |
| S25 | 0  | "6473282".URPN.   | USPAT   | OR | ON | 2004/08/16 12:38 |
| S26 | 0  | "6473282".URPN.   | USPAT   | OR | ON | 2004/08/16 12:38 |
| S27 | 8  | ("4871927"   "5708549"   "5742465"   "5942932"   "6008688"   "6014053"   "6157070"   "6252452").PN.                 | USPAT   | OR | ON | 2004/08/16 12:42 |
| S28 | 11 | "5,708,549"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:06 |
| S29 | 7  | "5,742,465"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:25 |
| S30 | 3  | "5,942,232"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:25 |
| S31 | 4  | "5,942,932"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:48 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S32 | 27   | "5,694,072"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 15:52 |
| S33 | 3    | "6,008,688"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 16:13 |
| S34 | 754  | 361/91.1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/16 16:14 |
| S35 | 1027 | 361/90  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/17 14:08 |
| S36 | 3116 | 361/111   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/17 16:02 |
| S37 | 164  | 326/15  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/08/18 08:50 |
| S38 | 2428 | latch near3 (ground substrate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:42 |
| S39 | 485  | latch adj up near3 (ground substrate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:42 |
| S40 | 103  | latch adj up near (ground substrate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:55 |
| S41 | 0    | latch adj up near (ground substrate)<br>and (sea plurality) near (gate gates) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:44 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S42 | 1   | latch adj up near (ground substrate)<br>and latch adj up near power                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:45 |
| S43 | 7   | ("4631421"   "4864373"   "4873668"  <br>"5545934"   "5909140"   "6046627"  <br>"6097113").PN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/01/24 15:47 |
| S44 | 1   | 10/604,176  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/24 15:55 |
| S45 | 874 | 361/91.1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | ON | 2005/01/24 16:23 |
| S46 | 38  | latch adj up near substrate   | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:48 |
| S47 | 0   | 2004/0262643  | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:38 |
| S48 | 1   | 10/604,176  | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:38 |
| S49 | 0   | latch adj up near (disconnect<br>disconnecting disconnection)                                 | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:48 |
| S50 | 53  | latch adj up same (disconnect<br>disconnecting disconnection)                                 | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:49 |
| S51 | 0   | latch adj up near2 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:49 |
| S52 | 1   | latch adj up near3 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:49 |
| S53 | 7   | latch adj up near4 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:52 |
| S54 | 7   | latch adj up near5 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:52 |
| S55 | 7   | latch adj up near6 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:52 |
| S56 | 9   | latch adj up near7 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:55 |
| S57 | 9   | latch adj up near8 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:56 |
| S58 | 9   | latch adj up near9 (disconnect<br>disconnecting disconnection)                                | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:56 |
| S59 | 9   | latch adj up near10 (disconnect<br>disconnecting disconnection)                               | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/25 10:56 |

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|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S60 | 9  | latch adj up near11 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:56 |
| S61 | 9  | latch adj up near12 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:56 |
| S62 | 9  | latch adj up near13 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:56 |
| S63 | 9  | latch adj up near14 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:56 |
| S64 | 11 | latch adj up near15 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:57 |
| S65 | 11 | latch adj up near16 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:58 |
| S66 | 12 | latch adj up near17 (disconnect disconnecting disconnection)  | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 10:59 |
| S67 | 25 | "4,647,956"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:00 |
| S68 | 9  | "4,660,067"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:01 |
| S69 | 4  | "5,055,903"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:01 |
| S70 | 5  | "5,159,204"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:02 |
| S71 | 5  | "5,379,147"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:03 |
| S72 | 35 | "5,406,513"   | US-PGPUB;<br>USPAT  | OR | ON | 2005/01/25 11:03 |
| S73 | 6  | ("4473758"   "4571505"   "4670668"   "4683488"   "4689653"   "4701777").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/01/25 16:14 |
| S74 | 3  | sea near gates and mixed near<br>voltage  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/07 14:52 |
| S75 | 23 | ("5237395"   "5416661"   "5465190"   "5530612"   "5559659"   "5568346"   "5610790"   "5610791"   "5617283"   "5625280"   "5631793"   "5642252"   "5644459"   "5654862"   "5679971"   "5686751"   "5706156"   "5721656"   "5729419"   "5744842"   "5745323"   "5874834"   "5907464").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/11/07 11:21 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S76 | 13    | "4,905,199"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/07 12:04 |
| S77 | 9     | "5,530,394"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/07 15:11 |
| S78 | 11698 | (latchup or latch adj up)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 10:06 |
| S79 | 8     | (latchup or latch adj up) and sea near gates                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 14:01 |
| S80 | 0     | (latchup or latch adj up) and sea near gates and supply near3 disconnect\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 10:22 |
| S81 | 137   | (latchup or latch adj up) and supply near3 disconnect\$3                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 10:22 |
| S82 | 49    | (latchup or latch adj up) same detect\$3 and supply near3 disconnect\$3     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 11:55 |
| S83 | 3     | (latchup or latch adj up) same detect\$3 same supply near3 disconnect\$3    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 10:47 |
| S84 | 1     | ("4739191").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/11/09 10:28 |



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|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S85 | 15   | ("5120993").URPN.  | USPAT   | OR | ON | 2005/11/09 10:29 |
| S86 | 3    | (latchup or latch adj up) near detect\$3<br>and supply near3 disconnect\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 10:47 |
| S87 | 7    | (latchup or latch adj up) same<br>detect\$3 and supply near<br>disconnect\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 11:56 |
| S88 | 2    | "6,624,660"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/09 14:01 |
| S89 | 641  | 361/91.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 09:53 |
| S90 | 519  | 361/90.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 15:26 |
| S91 | 1771 | 361/111.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/20 16:32 |
| S92 | 122  | 326/15.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/21 10:43 |
| S93 | 1790 | 326/83.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/21 12:21 |



## EAST Search History

|     |    |  |          |    |    |                  |
|-----|----|--|----------|----|----|------------------|
| S94 | 10 | (latch adj up near (preven\$3<br>protect\$3)).clm. | US-PGPUB | OR | ON | 2006/04/21 16:25 |
|-----|----|--|----------|----|----|------------------|

# Interference

## **EAST Search History**

| Ref # | Hits | Search Query                                    | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------|------------------|---------|------------------|
| L2    | 10   | (latch adj up near (preven\$3 protect\$3)).clm. | US-PGPUB | OR               | ON      | 2006/04/21 16:25 |